

Peak District National Park

Forecast valid from 06:00 on Tuesday 19 Dec 2023 until 23:59 on Wednesday 20 Dec 2023

Forecast Issued on Tuesday 19 Dec 2023 at 03:29

Confidence: High confidence for an unsettled and windy week.

Headline for Tuesday 19 Dec 2023: Early rain clearing to sunny spells, a few showers later.

Mountain weather hazards on Tuesday 19 Dec 2023

Blizzards

No Likelihood

Heavy persistent snow

No Likelihood

Storm force winds

No Likelihood

Gales

No Likelihood

Severe chill effect

Low Likelihood

Poor visibility

No Likelihood

Thunderstorms

No Likelihood

Heavy persistent rain

No Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Light rain	Cloudy	Cloudy	Cloudy	Cloudy	Dull
Precipitation probability					
60%	20%	10%	20%	30%	50%

Forecast for Tuesday 19 Dec 2023

Weather: Cloudy with outbreaks of rain at first, becoming dry and bright after dawn. Staying dry and fine through most of the day but scattered showers feeding in from the north into the evening.

Chance of cloud-free hill tops above 600m: 30-40% at first, improving to 90% after dawn

Low cloud and visibility: Scattered or broken low cloud base 500-700m at first, soon clearing. Few or scattered cloud base 700-800m in association with showers. Visibility moderate at times in rain or showers, otherwise good.

Forecast for Tuesday 19 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	20/24 W	20/25 NW	20/27 W	25/33 W	24/32 W	25/34 W	30/40 W
300	14/18 W	14/18 NW	17/24 W	19/27 W	18/25 W	19/28 W	23/33 W
Valley	8/18 W	8/19 NW	12/24 W	14/29 W	12/26 W	13/28 W	16/33 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/1	4/-2	3/-3	3/-4	2/-4	2/-5	2/-5
300	8/4	6/2	6/1	6/1	5/0	5/-0	5/-0
Valley	8/6	7/4	6/3	6/2	6/2	5/1	6/1
Freezing Level*	1500m	1100m	800m	900m	900m	900m	1000m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Feeling cold at height, be prepared with appropriate layers.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Tue 19 Dec 2023	9.4mm	9.4mm	9.4mm

Forecast for Wednesday 20 Dec 2023

Weather: There will be scattered showers during the early hours of Wednesday before a band of rain arrives from the west by morning, this generally light but lingers throughout the day. Very windy throughout.

Maximum wind: Westerly 35-40mph, gusting 45-50mph, strongest during the afternoon.

Chance of cloud-free hill tops above 600m: 30-40% reducing to 20% during the afternoon

Low cloud and visibility: Scattered or broken cloud base 500-700m. Visibility moderate in rain or showers, poor in hill fog.

Temperature: **Valleys:** Plus 5 rising to plus 8 Celsius
At 600m: Plus 4 rising to plus 6 Celsius
Freezing level: 1000m soon rising well above summits